

PATENT ABSTRACTS OF JAPAN

(11)Publication number : 10-212945

(43)Date of publication of application : 11.08.1998

(51)Int.Cl.

F01P 1/04

F02B 25/16

F02F 3/00

F02F 3/20

(21)Application number : 09-016224

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(22)Date of filing : 30.01.1997

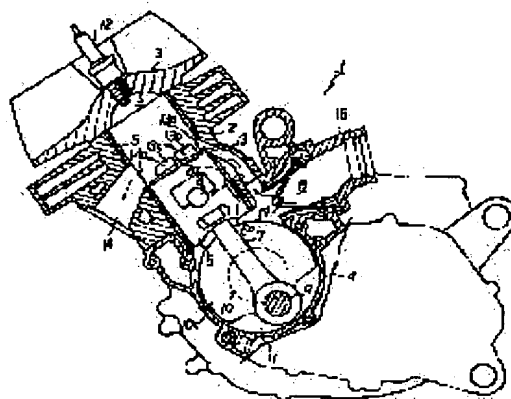
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(54) TWO-CYCLE ENGINE

(57)Abstract:

PROBLEM TO BE SOLVED: To provide a 2-cycle engine which can omit an expensive surface treatment to a pin boss part by increasing the cooling property and lubrication property of the pin boss part of a piston.

SOLUTION: In 2-cycle engine 1 adopting a crank lead valve method for leading an intake air to a crank room 11 through a lead valve 17 installed on a crank case 4, a communication hole 2a for communicating a scavenging passage 13 with a cylinder 5 inside is bored on a cylinder wall and also an air vent 6a opened to the communication hole 2a is bored to the lower part than the axis of the piston pin 8 of the skirt part of the piston 6 after at least scavenging ports 13a-13c are closed by the piston 6. Thereby, as a mixture intaken through the lead valve 17 is streamed in the piston 6 through the communication hole 2a and the air vent 6a at the intake process after the close of the scavenging ports 13a-13c by the piston 6 in the ascending process of the piston 6, the pin boss part of the piston 6 is cooled and lubricated by the mixture at low temperature.



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[Date of request for examination]

[Date of sending the examiner's decision of rejection]

[Kind of final disposal of application other than the examiner's decision of rejection or application converted registration]

[Date of final disposal for application]

[Patent number]

[Date of registration]

[Number of appeal against examiner's decision of rejection]

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[Date of requesting appeal against examiner's
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